

Human gastrin (GAST) ELISA Kit | GAST elisa kit

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CATALOG #
AAA245866

REACTIVITY
Human

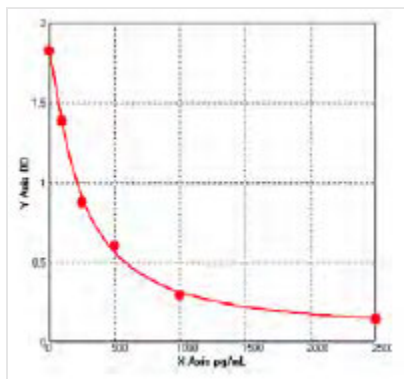
PRODUCT SYNONYMS

gastrin (GAST); Human gastrin (GAST) ELISA Kit; GAST elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of GAST. No significant cross-reactivity or interference between GAST and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between GAST and all the analogues, therefore, cross reaction may still exist in some cases.
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Quantitative Competitive
Sensitivity	1.0 pg/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for GAST elisa kit	Intended Uses: This GAST ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human GAST. This ELISA kit for research use only! Principle of the Assay: GAST ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-GAST antibody and an GAST-HRP conjugate. The assay sample and buffer are incubated together with GAST-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the GAST concentration since GAST from samples and GAST-HRP conjugate compete for the anti-GAST antibody binding site. Since the number of sites is limited, as more sites are occupied by GAST from the sample, fewer sites are left to bind GAST-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The GAST concentration in each sample is interpolated from this standard curve.
Product Categories/Family for GAST elisa kit	Signal Transduction

NCBI AND UNIPROT INFORMATION

NCBI GI #	4503923
NCBI GeneID	2520
NCBI Accession #	NP_000796.1
NCBI GenBank Nucleotide #	NM_000805.4
Molecular Weight	11,394 Da
NCBI Official Full Name	gastrin preproprotein
NCBI Official Synonym Full Names	gastrin
NCBI Official Symbol	GAST
NCBI Official Synonym Symbols	GAS
NCBI Protein Information	gastrin; preprogastrin
UniProt Protein Name	Gastrin
UniProt Gene Name	GAST
UniProt Synonym Gene Names	GAS; G52; G34; G17; G14; G6
UniProt Entry Name	GAST_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/human-elisa-kits/gastrin-gast/245866>